

# Claims

[c1] What is claimed is:

1. An immersion fluid dispenser for microscopes that manually deposits the proper amount of fluid on the specimen (upright systems) or front lens (inverted systems) for immersion optics applications.

[c2] 2. The dispenser of claim 1, further comprising:  
a two-stage mechanical configuration that both positions the dispensing port from a remote location to the desired application point and then delivers the proper amount of immersion fluid.

[c3] 3. The dispenser of claims 1 and 2, further comprising:  
the ability to be combined with a fluid extraction system for the removal of the deposited fluid at the completion of immersion optics task.

[c4] 4. The dispenser of claim 1, 2, or 3, further comprising:  
the ability to automatically sense the particular objective lens in use and correspondingly modify the drop dispensing parameters.